

MS/MS Parameters of Pesticides

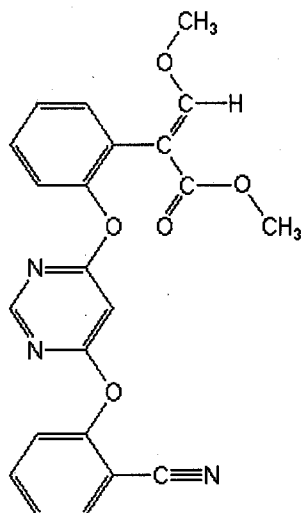
Analyte: Azoxystrobin

CAS No.: 131860-33-8

Formula: C₂₂H₁₇N₃O₅

Molecular mass (lowest isotopes): 403,12 amu

Structure:



Ionisation: ESI +

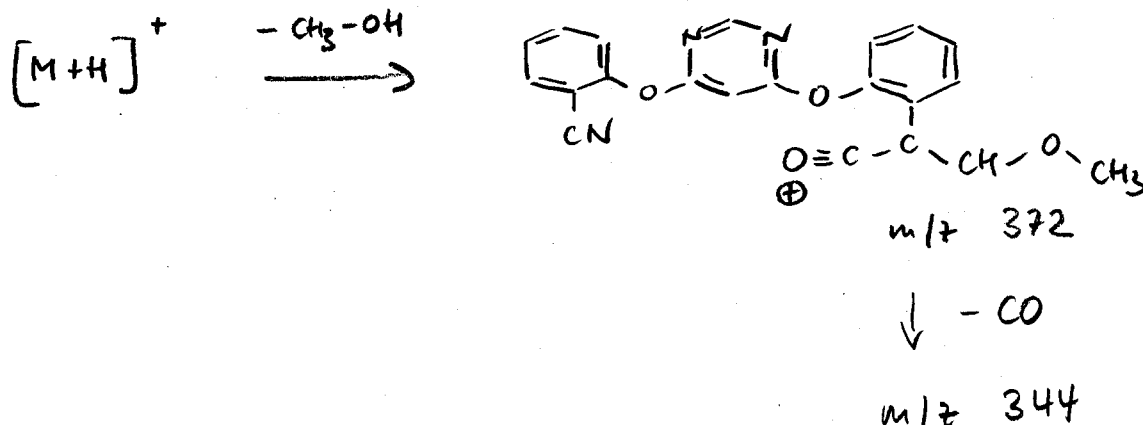
Quasimolecular ion: 404,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

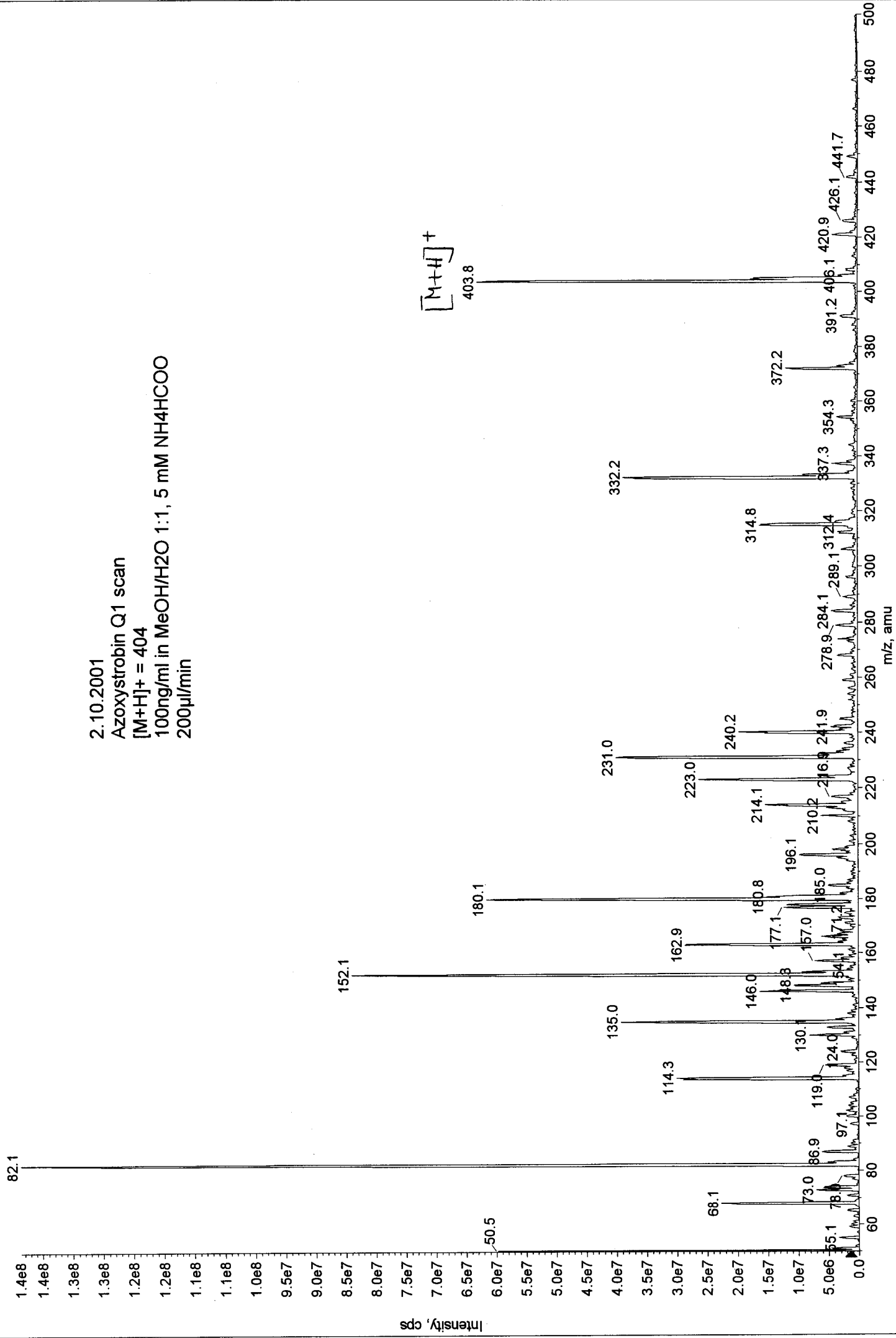
Transition	404,1 → 371,9	404,1 → 343,9
Declustering potential (DP) ^{*)}	34 V	34 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	9,5 V	10,0 V
Collision cell entrance potential (CEP)	24 V	24 V
Collision energy (CE)	19 V	29 V
Collision cell exit potential (CXP)	20 V	18 V

^{*)} For API 3000 and 4000 enhance DP by 20V

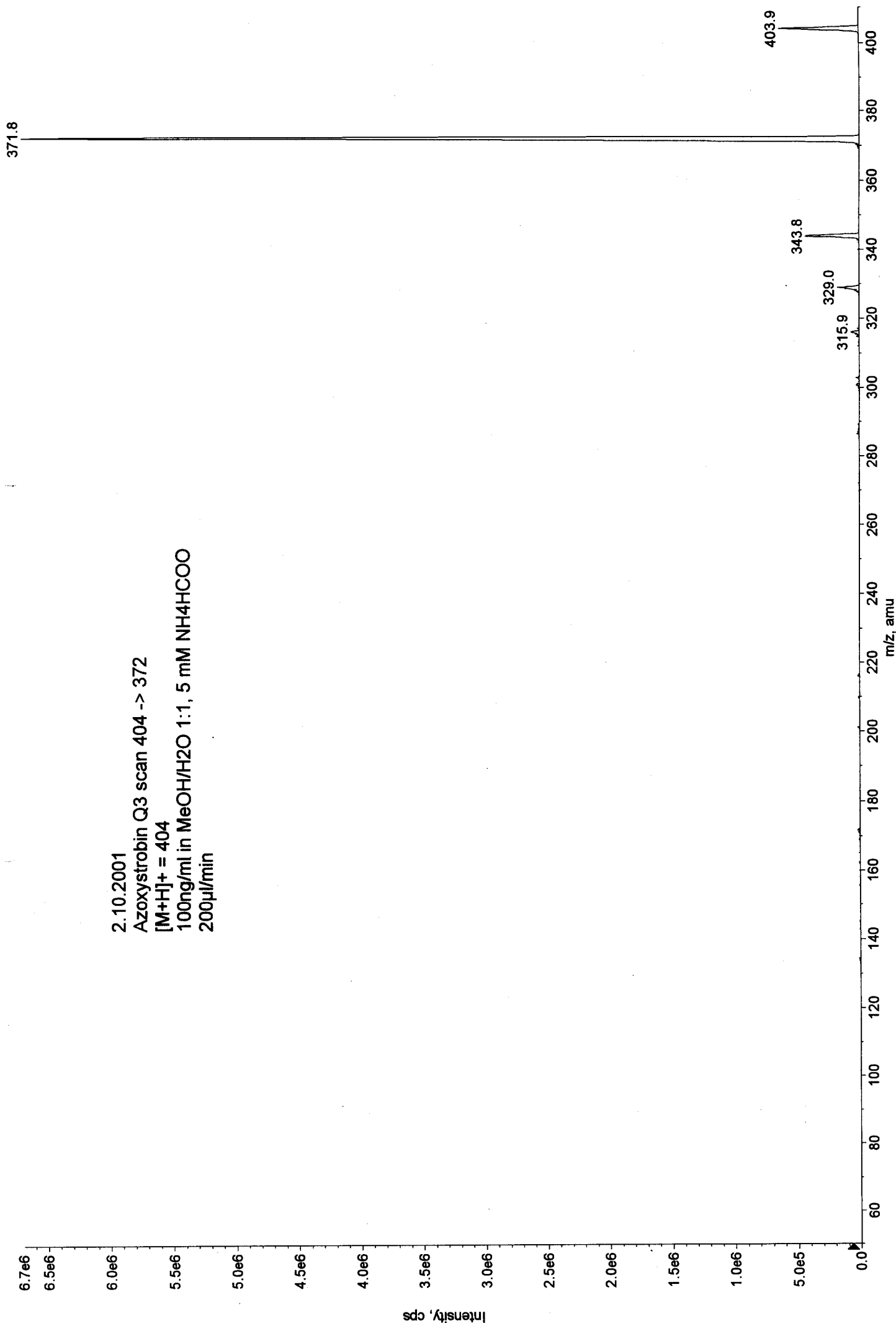
Fragmentation



2.10.2001
Azoxystrobin Q1 scan
[M+H]⁺ = 404
100ng/ml in MeOH/H₂O 1:1, 5 mM NH₄HCOO
200µl/min



2.10.2001
Azoxystrobin Q3 scan 404 -> 372
[M+H]⁺ = 404
100ng/ml in MeOH/H₂O 1:1, 5 mM NH₄HCOO
200µl/min



2.10.2001
Azoxystrobin344 Q3 scan 404 -> 344
[M+H]⁺ = 404
100ng/ml in MeOH/H₂O 1:1, 5 mM NH₄HCOO
200µl/min

Intensity, cps

